

Waste Management of the Desert's Alternative Fuel Program





Why Alternative Fuel Trucks

- Local Contracts
- Regional Legislation
 - Rule 1193
- State and Federal Air Quality Standards



Why Natural Gas?

–Proven Technology

- Equipment Readily Available
- Low Emissions

–Fueling Infrastructure

- CNG
- LNG



Waste Management of the Desert's Pilot Project

- 85 Trucks in Fleet
 - 45 CNG
 - 16 LNG
- On- Site CNG Fueling Station
 - Public Access Station





Other Waste Management Fleets with Alternative Fuel Programs

Palm Desert

San Gabriel

Corona

Long Beach

Moreno Valley

Antelope Valley

San Diego

Yucca Valley

Irvine

Simi Valley

Santa Ana

Lessons Learned

- Importance of Training
 - Drivers
 - Maintenance Personnel
- Adequate Fuel Capacity
 - CNG → 60 DGE
 - Tank Location
 - LNG → 150 Gal.
- On-Site Fueling



Typical Residential Collection Truck



Volvo Truck Chassis with McNeilus automated collection body- CNG tanks mounted on top.



Typical Commercial Collection Truck



Volvo Truck Chassis with Wittke front loader body- CNG tanks mounted on top.

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